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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/890,148	08/27/2001	Michael Zobel	Mo-6485/LeA33,061	7822
157	7590 09/29/2003	•		
BAYER POLYMERS LLC			EXAMINER	
100 BAYER PITTSBURG	GH, PA 15205		SHORT, PATRICIA A	
			ART UNIT	PAPER NUMBER
			1712	
		•	DATE MAILED: 09/29/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

<u> </u>	Application No.	Applicant(s)	
Office Action Summary	09/890148	20bel et al.	_
Office Action Summary	Examiner Short	Group Art Unit	
-The MAILING DATE of this communication appears	n the cover sheet b	eneath the correspondence add	lress—
P ri d for Reply	•		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO OF THIS COMMUNICATION.	EXPIRE <u>three</u>	MONTH(S) FROM THE MAILI	NG DATE
 Extensions of time may be available under the provisions of 37 CFR 1.1 from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a repleted in the period for reply is specified above, such period shall, by default, expected to reply within the set or extended period for reply will, by statute 	within the statutory minim pire SIX (6) MONTHS from	um of thirty (30) days will be considered n the mailing date of this communication	timely.
Status			
Responsive to communication(s) filed on	10,2003		
This action is FINAL.	•		
 Since this application is in condition for allowance except for accordance with the practice under Ex parte Quayle, 1935 	r formal matters, pros e C.D. 1 1; 453 O.G. 213	ecution as to the merits is close 3.	d in
Disp sition of Claims			
(2, 3, 5, 9, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12	is/are pending in the applic	ation.	
Of the above claim(s)			
☐ Claim(s)	is/are allowed.	is/are allowed.	
\bigcirc Claim(s) $2357-91213$	is/are rejected.		
☐ Claim(s)	is/are objected to.	is/are objected to.	
☐ Claim(s)————————————————————————————————————	•	election	
Application Papers		requirement.	
☐ Se the attached Notice of Draftsperson's Patent Drawing	Review, PTO-948.		
☐ The proposed drawing correction, filed on	is 🗆 approved 1	□ disapproved.	
☐ The drawing(s) filed on is/are objected	to by the Examiner.		
☐ The specification is objected to by the Examiner.			
☐ The oath or declaration is objected to by the Examiner.			
Priority under 35 U.S.C. § 119 (a)-(d)			
Acknowledgment is made of a claim for foreign priority under All Some* None of the CERTIFIED copies of the received. received in Application No. (Series Code/Serial Number) received in this national stage application from the Interr	priority documents ha	ave been	
*Certified copies not received:			
Attachm nt(s)			
Information Disclosure Statem nt(s), PTO-1449, Pap r No(s)14	nterview Summary, PTO-413	
Notice of Reference(s) Cited, PTO-892		otice of Informal Patent Applicatio	n, PTO-152
☐ Notice of Draftsperson's Patent Drawing Review, PTO-948		Other	-
Office A	ction Summary		

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This action is in response to the request for continued examination (RCE) and preliminary amendment filed on July 10, 2003.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2, 3, 5, 7-9, 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pan in view of Grabowski or Pan in view of Grabowski taken further with evidence provided by Wang. Pan teaches flame retardant thermoplastic molding compositions comprising aromatic polycarbonate and an aluminum oxide having a colloidal particle size of less than 1 micron. The aluminum oxide is applied as a colloidal sol obtained from Nalco Chemical Co. See col. 1, lines 55-62 and examples. The composition may contain conventional additives such as flow modifiers. See col. 7, lines 55-62. Grabowski teaches graft polymers (ABS) that can be used to improve the flow characteristic of aromatic polycarbonate. As Pan teaches that the aluminum oxide is used as a colloidal sol having a particle size of less than 1 micron, it would have been obvious to add a water containing aluminum oxide having a particle diameter of less than 1 micron (1 µm) to an aromatic polycarbonate and in view of Grabowski, to include a graft polymer (ABS) in order to obtain a flame retardant aromatic polycarbonate molding composition having improved flow characteristics.

Alternatively, as aqueous colloidal sols of aluminum oxide having a particle size of 20 nm are commercially available from Nalco, evidenced by Wang at col. 5, lines 23-27, it would have been obvious to use the commercially available aqueous colloidal sol of aluminum oxide having a particle size of 20 nm in the aromatic polycarbonate compositions of Pan as modified by

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Grabowski above in order to obtain a flame retardant aromatic polycarbonate molding composition having improved flow characteristics.

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September 15, 2003

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PATRICIA A. SHORT PRIMARY EXAMINER

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